

DPM 2500

EMERY CHEMICALS

DIVISION OF NATIONAL DISTILLERS AND CHEMICAL CORPORATION

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: (513) 482-2297

CHEMTREC 800-424-9300

MSDS REFERENCE: EMERSAL 6465 (10/11/85)

SECTION I - IDENTIFICATION

WARNING! CAUSES IRRITATION!

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING MIST. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

PRODUCT: EMERSAL 6465

SYNONYMS: 2-ETHYLHEXYL SULFATE, SODIUM SALT

CHEMICAL: SODIUM 2-ETHYLHEXYLSULFATE, 39% AQUEOUS SOLUTION

CAS NO: 126-92-1

SECTION II - HAZARDOUS INGREDIENTS

<u>COMPOSITION</u>	<u>%</u>	<u>PEL/TLV</u>	<u>HAZARD</u>
SODIUM 2-ETHYLHEXYL SULFATE	39	NONE/NONE	IRRITANT

SECTION III - HEALTH INFORMATION

INHALATION: UNKNOWN

INGESTION: LD50: 4GM/KG (RAT); LD50: 3.6 G/KG (RABBIT)

EYE CONTACT: COMPOUNDS OF THIS TYPE ARE KNOWN TO CAUSE SEVERE EYE IRRITATION.

SKIN CONTACT: PRIMARY SKIN IRRITATION INDEX: MODERATE IRRITANT (RABBIT)

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL

TLV: NO ACGIH TLV



SECTION V - EMERGENCY FIRST AID PROCEDURE

FOR OVEREXPOSURE BY SWALLOWING: IF VICTIM IS CONSCIOUS AND ABLE TO SWALLOW, QUICKLY HAVE VICTIM DRINK WATER OR MILK TO DILUTE. DO NOT GIVE SODIUM BICARBONATE, FRUIT JUICES OR VINEGAR. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. INDUCE VOMITING ONLY IF ADVISED BY PHYSICIAN OR POISON CONTROL CENTER. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

FOR OVEREXPOSURE BY SKIN CONTACT: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER WHILE REMOVING CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSE.

FOR OVEREXPOSURE BY EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES. DO NOT LET VICTIM RUB EYES. GET MEDICAL ATTENTION IMMEDIATELY.

FOR OVEREXPOSURE BY INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY BY MOUTH-TO-MOUTH. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VI - PHYSICAL DATA

BOILING POINT: NOT DETERMINED
MELTING POINT: LIQUID AT 25°C
VAPOR PRESSURE: NOT ESTABLISHED
SPECIFIC GRAVITY: 1.11 AT 25°C
VAPOR DENSITY (AIR=1): GREATER THAN 1
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND COLOR:
CLEAR PALE YELLOW LIQUID

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT & METHOD USED: NOT APPLICABLE, PRODUCT CONTAINS WATER
AUTO-IGNITION TEMPERATURE: NOT ESTABLISHED
FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: NOT ESTABLISHED
FLAMMABLE LIMITS IN AIR, % BY VOL. UPPER: NOT ESTABLISHED
NFPA RATING: NO NFPA RATING

SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS

USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE AND TO DILUTE SPILLS TO NONFLAMMABLE MIXTURES.

UNUSUAL FIRE & EXPLOSION HAZARDS

FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN THE POSITIVE-PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES OR HAZARDOUS DECOMPOSITION PRODUCTS.

SECTION VIII - REACTIVITY

STABILITY:

GENERALLY STABLE PRODUCT MAY HYDROLYZE AT PH BELOW 5.0.

HAZARDOUS POLYMERIZATION:

NONE LIKELY

CONDITIONS & MATERIALS TO AVOID:

KEEP AWAY FROM HEAT AND FLAMES. AVOID CONTACT WITH OXIDIZING MATERIALS AND STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS:

DECOMPOSITION OF ORGANIC MATERIALS MAY PRODUCE OXIDES OF SULFUR AND CARBON.

SECTION IX - EMPLOYEE PROTECTION

CONTROL MEASURES:

HANDLE IN THE PRESENCE OF ADEQUATE VENTILATION.

RESPIRATORY PROTECTION:

WHERE EXPOSURE IS LIKELY TO EXCEED ACCEPTABLE CRITERIA (SEE SECTIONS II AND IV), USE NIOSH/OSHA APPROVED RESPIRATORY EQUIPMENT. RESPIRATORS SHOULD BE SELECTED BASED ON THE FORM AND CONCENTRATION OF CONTAMINANT IN AIR AND IN ACCORDANCE WITH OSHA (29 CFR 1910.134).

PROTECTIVE CLOTHING:

WEAR GLOVES AND PROTECTIVE CLOTHING WHICH ARE IMPERVIOUS TO THE PRODUCT FOR THE DURATION OF ANTICIPATED EXPOSURE IF THERE IS POTENTIAL FOR SKIN CONTACT.

EYE PROTECTION:

WEAR SAFETY GLASSES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 WHERE NO CONTACT WITH THE EYE IS ANTICIPATED. CHEMICAL SAFETY GOGGLES MEETING THE SPECIFICATIONS OF ANSI STANDARD Z87.1 SHOULD BE WORN WHENEVER THERE IS THE POSSIBILITY OF SPLASHING OR OTHER CONTACT WITH THE EYES.

SECTION X - ENVIRONMENTAL PROTECTION

ENVIRONMENTAL PRECAUTIONS:

AVOID UNCONTROLLED RELEASES OF THIS MATERIAL. WHERE SPILLS ARE POSSIBLE, A COMPREHENSIVE SPILL RESPONSE PLAN SHOULD BE DEVELOPED AND IMPLEMENTED.

SPILL OR LEAK PRECAUTIONS:

WEAR APPROPRIATE RESPIRATORY PROTECTION AND PROTECTIVE CLOTHING AS DESCRIBED IN SECTION IX. CONTAIN SPILLED MATERIAL. TRANSFER TO SECURE CONTAINERS. WHERE NECESSARY, COLLECT USING ABSORBENT MEDIA. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE IS REPORTABLE UNDER APPLICABLE LAWS AND REGULATIONS.

WASTE DISPOSAL:

ALL RECOVERED MATERIAL SHOULD BE PACKAGED, LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD ENGINEERING PRACTICES. AVOID LANDFILLING OF LIQUIDS. RECLAIM WHERE POSSIBLE.

SECTION XI - REGULATORY CONTROLS

DEPARTMENT OF TRANSPORTATION:

DOT CLASSIFICATION: COMPOUND, CLEANING OR WASHING, NOI (LIQUID)

DOT PROPER SHIPPING NAME: EMERSAL 6462

OTHER DOT INFORMATION:

NONE

OTHER REGULATORY REQUIREMENTS:

ON 10/11/85

SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE

CONTAINER HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS DESCRIBED ON THIS MSDS MUST BE OBSERVED. TAKE PRECAUTIONS TO AVOID CONTAINER DAMAGE WHILE HANDLING AND STORING.

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE FACTUAL AS IT HAS BEEN DERIVED FROM THE WORKS AND OPINIONS OF PERSONS BELIEVED TO BE QUALIFIED EXPERTS; HOWEVER, NOTHING CONTAINED IN THIS INFORMATION IS TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH NATIONAL DISTILLERS AND CHEMICAL CORPORATION BEARS LEGAL RESPONSIBILITY. THE USER SHOULD REVIEW ANY RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE TO DETERMINE WHETHER THEY ARE APPROPRIATE.

PREPARED BY: ROGER H. GARST

DATE: 10/11/85

SUPERCEDES: NEW

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